

Product datasheet for PH306535

Estrogen Sulfotransferase (SULT1E1) (NM_005420) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SULT1E1 MS Standard C13 and N15-labeled recombinant protein (NP_005411)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206535
Predicted MW:	35.1 kDa
Protein Sequence:	>RC206535 protein sequence Red=Cloning site Green=Tags(s) MNSELDYYEKFEVHGILMYKDFVKYWDNVEAFQARPDDLVIATYPKSGTTWSEIVYMIYKEGDVEKCK EDVIFNRIPFLECRKENLMNGVKQLDEMNSPRIVKTHLPPELLPASFWEKDCKIIYLCRNAKDVAVSFY FFLMVAGHPNPGSLPEFVEKFMQGVYPYGSWYKHYKSWWEKGSPRVLFIFYEDLKEDIRKEVIKLIHFL ERKPSEELVDRIIHHTSFQEMKNNPSTNYTTLPDEIMNQKLSPFMRKGITGDWKNHFTVALNEKFDKHYE QQMKESTLKFRTET TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005411</u>
RefSeq Size:	1805
RefSeq ORF:	882
Synonyms:	EST; EST-1; ST1E1; STE
Locus ID:	6783



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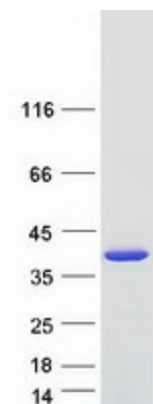
UniProt ID: [P49888](#), [Q53X91](#)

Cytogenetics: 4q13.3

Summary: Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that transfers a sulfo moiety to and from estrone, which may control levels of estrogen receptors. [provided by RefSeq, Jul 2008]

Protein Pathways: Androgen and estrogen metabolism, Sulfur metabolism

Product images:



Coomassie blue staining of purified SULT1E1 protein (Cat# [TP306535]). The protein was produced from HEK293T cells transfected with SULT1E1 cDNA clone (Cat# [RC206535]) using MegaTran 2.0 (Cat# [TT210002]).